

Molly Fish Water at ABC Islands

Bonus content from the December 2009 AFI magazine article "Mollies of the ABC Islands."

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Table 1: Wetlands, Aruba (December 1, 2004; 10:00 a.m.)

Water temperature: 86 degrees Fahrenheit (30 degrees Celsius)

pH: 7.7

Microsiemens: less than 1999

Hardness calculated: 78 dH (+/- 10%)

Hardness calculated: 560 mg/l (+/- 10%)

Calcium: 130 mg/l (+/- 6%)

Magnesium: 260 mg/l (+/- 5%)

Iron: (0.06 mg/l) (+/- 15%)

Strontium: 4.8 mg/l (+/- 5%)

Potassium: 110 mg/l (+/- 5%)

Sodium: 3,300 mg/l (+/- 5%)

Manganese: (0.01 mg/l) (+/- 50%)

Table 2: Rooi at Bringamosa, Aruba (November 30, 2004; 11:30 a.m.)

Water temperature: 86 degrees Fahrenheit (30 degrees Celsius)

pH: 8.0

Microsiemens: greater than 1999

Hardness calculated: 31 dH (+/- 10%)

Hardness calculated: 220 mg/l (+/- 10%)

Calcium: 78 mg/l (+/- 6%)

Magnesium: 88 mg/l (+/- 5%)

Iron: 0.65 mg/l (+/- 7%)

Strontium: 0, 58 mg/l (+/- 5%)

Potassium: 12 mg/l (+/- 5%)

Sodium: 790 mg/l (+/- 5%)

Manganese: 0.26 mg/l (+/- 10%)

Table 3. Rooi east of Willemstad, Curacao (December 3, 2004; 8:00 a.m.)

Water temperature*: 75.2 degrees Fahrenheit (24 degrees Celsius)

pH: 7.9

Microsiemens: 897

Hardness calculated: 9.3 dH (+/- 10%)

Hardness calculated: 67 mg/l (+/- 10%)

Calcium: 37 mg/l (+/- 6%)

Magnesium: 18 mg/l (+/- 5%)

Iron: 0.11 mg/l (+/- 10%)

Strontium: 0.56 mg/l (+/- 5%)

Potassium: 5.9 mg/l (+/- 5%)

Sodium: 94 mg/l (+/- 5%)

Manganese: 0.08 mg/l (+/- 15%)

*With heavy rain during the night

Table 4: Rooi in Saliña, Willemstad, Curacao (December 4, 2004; 1:00 p.m.)

Water temperature: 86 degrees Fahrenheit (30 degrees Celsius)

pH: 8.1

Microsiemens: greater than 1999

Hardness calculated: 35 dH (+/- 10%)

Hardness calculated: 250 mg/l (+/- 10%)

Calcium: 85 mg/l (+/- 6%)

Magnesium: 100 mg/l (+/- 5%)

Iron: 0.36 mg/l (+/- 7%)

Strontium: 0.29 mg/l (+/- 5%)
Potassium: 6.7 mg/l (+/- 5%)
Sodium: 340 mg/l (+/- 5%)
Manganese: 0.01 mg/l (+/- 50%)

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